

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In Re Application of:

OCT 26 2005

Jianbo Lu

Serial No: 10/735,133

Group Art Unit: 3661

Filed: 12/12/2003

Examiner: Beaulieu, Yonel

Title: ROLL STABILITY CONTROL SYSTEM FOR AN AUTOMOTIVE VEHICLE
USING COORDINATED CONTROL OF ANTI-ROLL BAR AND BRAKES

Attorney Docket No.: 81093041 (FGT 1882 PA)

CERTIFICATE OF MAILING/TRANSMISSION (37 C.F.R. § 1.8(a))	
I hereby certify that this correspondence is, on the date shown below, being transmitted by facsimile to (571) 273-8300 (Centralized Facsimile Number).	
Date: <u>10-26-2005</u>	Signature: <u>[Handwritten Signature]</u> Kevin G. Mierzwa

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450SUPPLEMENTAL DECLARATION UNDER 37 C.F.R. 1.131

I, Jianbo Lu, declare that I am the inventor of claims 1-21 of the above-identified patent application and the inventor of the subject matter described and claimed therein. Prior to October 24, 2003, I had completed my invention as described and claimed in the subject application in this country, as evidenced by the following:

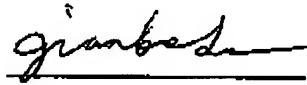
Prior to October 25, 2003, I submitted a patent disclosure to the Ford Global Technologies Patent Office (Exhibit A). On September 15, 2003, I received a draft from attorney Kevin Mierzwa from Artz & Artz, PC for my review (Exhibit B). On September 16,

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10/735,133

2003, a draft with my edits was provided by me to Mr. Mierzwa (Exhibit C). On October 2, 2003, I signed the Declaration for the present application (Exhibit D).

On December 12, 2003, the present patent application was filed.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME AND MAILING ADDRESS OF INVENTOR:	RESIDENCE	CITIZENSHIP	SIGNATURE	DATE
Jianbo Lu 33751 Elmira Court Livonia, MI 48150	Livonia, MI	US		10/12/05

OLID INVENTION DISCLOSURE

< Back

Survey Id: 7280

Mapped Record Id: 81038022

(* Indicates mandatory fields)

INVENTION DESCRIPTION

FILLING IN THE FORM

There are seven sections on this page and listed in the menu on the left side of the screen you will find the screens for entering Inventors, Related Art and documents. You can click on the link to go to that section

SAVING YOUR INFORMATION

You can fill the sections in any order. After completing each section, click on the Save button. You must save before leaving a section.

EDITING YOUR DRAFT

If you decide not to complete all sections in a single session, you can simply leave the site or close the browser. You can subsequently login again and continue from where you left off.

SUBMITTING YOUR COMPLETED DRAFT

After you fill in and review all the sections, then click on 'Inventors' on the left and then press the 'Ready for Approval' button. All Inventors must view the draft and approve it for submission. Your invention disclosure will be submitted to Ford's Global Technologies office automatically after all Inventors approve.

1. Invention Title (Required)

Provide a fully-descriptive Title for your invention, up to 2 lines in length.

A ROLL STABILITY CONTROL SYSTEM FOR AN AUTOMOTIVE VEHICLE USING COORDINATED CONTROL OF ANTI-ROLL BAR AND BRAKES

2. Short Title (Required)

Provide Short Title for your invention, up to 40 characters in length.

3. Originating Company (Required)

4. Originating Country (Required)

United States of America 64000134

PROBLEM AND SOLUTION

5. Problem (Required)

Describe the problem you were trying to solve that lead to your development.

This disclosure is intended to be used as one of two refinements for 201-0465. Since the patentability report for 201-0465 is very different from what we want to cover in that disclosure, and the amount of work to make our point clear is the same as rewriting a new disclosure, hence we deemed to file a new invention disclosure. In the first 4 pages of the attachment we included our reply to the review report for 201-0465. The detailed description can be found in the attachment.

Diagrams

Create appropriate diagrams (schematics, drawings, sketches, flowcharts, etc.) to illustrate your proposed solution.

BEST AVAILABLE COPY

Attach these using the "Documents" menu option on the top left hand side of the screen.

6. Your Solution (Required)

Referring to the diagrams attached in Question 2, describe the solution you propose in broad, conceptual terms. (Additional detail may be given in the Part F, Detailed Description, below.)

7. Results of Solution (Required)

Describe each of the results achieved by your solution.

INVENTORS

8. Inventors and Other Contacts

Using the button on the left, add all inventors and other persons who should have access to this Invention Disclosure. The creator must add all other inventors and non-inventors to allow them access.

PREVIOUS SOLUTIONS

9. Differences/Advantages of Your Solution (Required)

Describe the structural and/or functional differences between your solution and previous solutions, and the advantages of your solution over the previous solutions.

10. Related Art

Identify the closest technology of which you are aware. Attach any patents or other publications using the button at the left of this page, Related Art. If necessary, enter a brief description of any attached documents. Failure to identify the most relevant related art of which you are aware may result in a patent resulting from this disclosure being invalid and unenforceable.

DATES

11. First Record of Invention (Required)

Describe the first record of this invention, including where you wrote/recorded it, and whether anyone else was present as a witness. (If this is the first record, please indicate.)

04/18/2001

12. Date of First Record (Required)

Provide the date on which you made the record of the invention

//

13. Date of Working Model

If applicable, provide the anticipated or completed date of the first working model, prototype, or demonstrated result of this invention.

Thursday, April 04, 2002

14. Date of First Planned Usage

Provide the anticipated or planned date of the first production usage of this invention. (Do not enter a date based upon wishful thinking.)

//

14. Planned Usage

TBD: TBD

15. Use Duration

How long do you expect your invention to be used? (for example: 2 years)

16. External Disclosure

If this invention has been discussed with or otherwise disclosed to non-company personnel, provide their name(s) and contact details (telephone number, address, e-mail, etc.) AND If you have worked with someone at FGTI, please identify him or her here.

DETAILED DESCRIPTION

17. Detailed Description (Required)

If appropriate, provide a description of the invention in greater detail than given above in Part C Problem and Solution. Include alternative ways to build/design/perform the invention. (The more detail you provide, the greater the chance that FGTI will be able to identify a patentable invention.)

See the attachment

18. Related Invention Disclosure(s)

Provide the Invention Number of any related invention disclosures

201-0465

ADDITIONAL INFORMATION

19. If disclosed to non-Company personnel, identify recipient and date OR If you have worked with someone in FGTI, please identify that person.

20. Approval to submit was given by:

JLU10: 04-APR-02

21. New Technology Description:

22. Replacement Part

Does this invention relate to a replacement part?

No

23. CPSC Code (Required)

Please make sure CPSC is selected from the classification drop down.

24. Big Bang Project (Required)

Is this invention potentially related to any current Big Bang Project? Please make sure BIG BANG is selected from the classification drop down.

BRAKE SYSTEM 700

25. Innovation Acceleration Center, Dearborn MI

Is this invention potentially related to any session at the Innovation Acceleration Center in Dearborn, MI?

26. Innovation Acceleration Center Contact

If your invention is related to any session at the Innovation Acceleration Center in Dearborn, MI, please select your FGTI contact.

? 27. Government Contract (Required)

Was this invention developed under a government contract?

No

? 28. Government Contract Number

If you answered Yes to question 28, provide the government contract number.

29. Involved Organizations

If any other company, consortium, partnership, or government agreement was involved with the conception, development, or first building of this invention, provide their name(s) and contact details (telephone number, address, e-mail, etc.).

? 30. Potential Licensing Opportunities

Identify any potential licensing opportunities within and, if appropriate, outside the auto industry.

At the suppliers which manufacture controllable anti-roll bar and controllable brake systems. For example, Delphi Auto., TRW, etc.

31. Potential Licensing Contacts

If you identified any potential licensing opportunities in question 31, provide company name(s), contact name(s), and contact details (telephone number, address, e-mail, etc.) of potentially interested parties.

? 32. Patent Committee (Required)

Please select the Patent Committee for internal review.

33. Project Number

Please provide any Project Number to which this disclosure is related.

34. Work Task Number

Please provide any Work Task Number to which this disclosure is related.

INVENTORS

Name	Email	Phone	Approved
Jianbo Lu	jl10@ford.com		

TERMS AND CONDITIONS

Version Number / Text

DOCUMENTS

Document/Title	Date	Document Type
Your original attachment file : res_brk+arb.doc was renamed.	14 Jul 2003	Word Document

Donna Kraft

From: Donna Kraft
Sent: Monday, September 15, 2003 3:52 PM
To: 'jlu10@ford.com'
Cc: Kevin G. Mierzwa
Subject: 202-0384 (Our File FGT 1882 PA)

Attached for your review are drawings and application.



202-0384drawings.
pdf



fgt1882.doc

Kevin G. Mierzwa
Artz & Artz, P.C.
28333 Telegraph Road, Suite 250
Southfield, MI 48034
(248) 223-9500
Fax: (248) 223-9522

EX. "B"

Donna Kraft

From: Kevin G. Mierzwa
Sent: Tuesday, September 16, 2003 7:24 AM
To: Donna Kraft
Subject: FW: 202-0384 (Our File FGT 1882 PA)



fgt1882lu.doc

Please print out and accept change. I may need to fix drawings per his note. Thanks.

-----Original Message-----

From: Lu, Jianbo (J.) [mailto:jlul0@ford.com]
Sent: Monday, September 15, 2003 4:02 PM
To: Kevin G. Mierzwa
Subject: RE: 202-0384 (Our File FGT 1882 PA)

Kevin,

You did a good job, there are really nothing to change. The only thing is replace "handling loss" by "handling roll".

Jianbo

-----Original Message-----

From: Donna Kraft [mailto:djk@artzlaw.com]
Sent: Wednesday, September 10, 2003 3:39 PM
To: jlul0@ford.com
Cc: Kevin G. Mierzwa
Subject: 202-0384 (Our File FGT 1882 PA)

Attached for your review are drawings and application. Please let me have your comments/changes.

<<202-0384drawings.pdf>> <<fgt1882.doc>>

Kevin G. Mierzwa
Artz & Artz, P.C.
28333 Telegraph Road, Suite 250
Southfield, MI 48034
(248) 223-9500
Fax: (248) 223-9522

EX. "C"

202-0384

DECLARATION AND POWER OF ATTORNEY - ORIGINAL APPLICATION

Attorney's Docket No.

202-0384 (FGT 1882 PA)

As a below named inventor, I hereby declare:

My residence, post office address and citizenship are as stated below next to my name;

I verily believe I am the original, first and sole inventor or an original, first and joint inventor of the subject matter that is claimed and for which a patent is sought on the invention entitled

**ROLL STABILITY CONTROL SYSTEM FOR AN AUTOMOTIVE VEHICLE USING COORDINATED CONTROL
OF ANTI-ROLL BAR AND BRAKES**

the specification of which is attached hereto.

I have reviewed and understand the contents of the specification identified above, including the claims.

I acknowledge my duty to disclose information of which I am aware that is material to the examination of this application in accordance with Section 1.56(a), Title 37 of the Code of Federal Regulations; and as to application for patents or inventor's certificate on the invention filed in any country foreign to the United States of America, prior to this application by me or my legal representatives or assigns,

- ☒ no such applications have been filed, or
- ☐ such applications have been filed as follows:
- ☐ I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below

COUNTRY	APPLICATION NO.	DATE OF FILING (month, day, year)	DATE OF ISSUE (month, day, year)	PRIORITY CLAIMED UNDER 35 USC 119	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

(Application Number) (Filing Date) (Status - patented, pending, abandoned)

(Application Number) (Filing Date) (Status - patented, pending, abandoned)

POWER OF ATTORNEY: - I/we hereby appoint the following Practitioners: Customer No. 28549, Kevin G. Mierzwa, Reg. No. 38,049, as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office and all foreign Patent Offices.

Smith

Ex. "D"

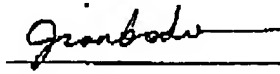
Attorney Docket No: 202-0384

Please call (248) 229-9500 if this paper becomes separated from the file.

Address all correspondence and telephone calls to: Customer No. 28549,

Kevin G. Mierzwa, Reg. No. 38,049
Artz & Artz PC
28333 Telegraph Road, Suite 250
Southfield, MI 48034 Phone: 248-223-9500

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

NAME AND MAILING ADDRESS OF INVENTOR:	RESIDENCE	CITIZENSHIP	SIGNATURE	DATE
Jianbo Lu 33751 Elmira Court Livonia, MI 48150	Livonia, MI 48150	China		10/2/05

Smith